

Chemistry Grade 12

University Preparation

SCH4U

SEMESTER TWO
2010Prerequisite: **Chemistry, Grade 11 University**

UNITS OF STUDY

Course Overview:

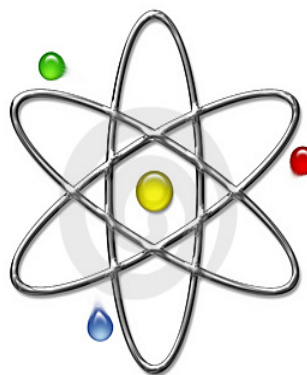
This course enables students to deepen their understanding of chemistry through the study of organic chemistry, the structure and properties of matter, energy changes and rates of reaction, equilibrium in chemical systems, and electrochemistry. Students will further develop their problem-solving and investigation skills as they investigate chemical processes, and will refine their ability to communicate scientific information. Emphasis will be placed on the importance of chemistry in everyday life and on the environment.

Assessment and Evaluation

Assessment is the ongoing process of collection information about student achievement. A variety of assessment tools will be used. Assessment may be diagnostic, formative or summative. Diagnostic and formative assessments do not carry a mark weight. Summative assessments count towards the final mark. Student achievement will be communicated

formally to students and parents.

Seventy percent of the grade will be based on evaluations conducted throughout the course; thirty percent will be based on a final examination and a summative task. The evaluation of Learning Skills will be reported on with a letter grade (E, G, S, and N). Students will find that concentrating on these skills will result in a high level of success in meeting the course



expectations. Any assignments or labs must be submitted at the beginning of class on the specified due date.

 Structure and Properties

 Organic Chemistry

 Energy Changes

 Chemical Systems

 Electrochemistry

COURSE EVALUATION

Application	20%
Thinking & Investigation	20%
Communication	10%
Knowledge & Understanding	20%
Summative	10%
Final Examination	20%
Total	100%

Tips for Success in Senior Science

- 1. Respect the learning environment.** The time you spend in class each day is your best opportunity to grasp new concepts, get a head start on your homework, and ask questions. Be sure to maximize this time.
- 2. Take an interest in the subject matter.** The more connections you can make with the material you study, the easier it will be

to motivate yourself.

- 3. Keep an agenda.** It is crucial that you keep track of upcoming deadlines in all subjects and manage your time accordingly.
- 4. Take initiative.** Sometimes this will mean finding the appropriate resources in order to answer the question yourself.
- 5. Limit your outside commitments.** Do not

take on more than you can handle during the year.

- 6. Maintain your character.** Be honest with your teachers and your parents, and respect your fellow students' right to learn.
- 7. Set aside time each day** to complete homework, start projects, and review your notes in a distraction free environment.
- 8. Have fun!!!**